



IN THE UNITED STATES

PATENT AND TRADEMARK OFFICE

APPLICANT(S): TSANN LIN ET AL.

SERIAL No.: 10/040,061

FILING DATE: JANUARY 4, 2002

TITLE: SPIN-VALVE SENSOR WITH PINNING LAYERS
COMPRISING MULTIPLE ANTIFERROMAGNETIC
FILMS

EXAMINER: VIVEK D. KOPPIKAR

GROUP ART UNIT: 3626

ATTY. DKT. No.: SJO9-00-145

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON THE DATE SHOWN BELOW:

DATED: 3/17/04

BY: 
BRIAN C. KUNZLER, REG. No.: 38,527

03/22/2004 LWONDIM1 00000030 090466 10040061
01 FC:1252 420.00 DA

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

PETITION FOR EXTENSION OF TIME

SIR:

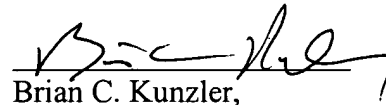
APPLICANT HEREBY PETITIONS FOR AN EXTENSION OF TIME OF

TERM OF EXTENSION	SMALL ENTITY	OTHER THAN A SMALL ENTITY
<input type="checkbox"/> 1 MONTH	<input type="checkbox"/> \$ 55.00	<input type="checkbox"/> \$ 110.00
<input checked="" type="checkbox"/> 2 MONTHS	<input type="checkbox"/> \$210.00	<input checked="" type="checkbox"/> \$ 420.00
<input type="checkbox"/> 3 MONTHS	<input type="checkbox"/> \$475.00	<input type="checkbox"/> \$ 950.00
<input type="checkbox"/> 4 MONTHS	<input type="checkbox"/> \$740.00	<input type="checkbox"/> \$1,480.00

for responding to the Patent Office communication mailed October 20, 2003

Enclosed herewith is payment in the amount of \$420.00 for the fee for the extension of time, calculated as indicated above.

Respectfully submitted,



Brian C. Kunzler,

Reg. No.: 38,527

Attorney for Applicant

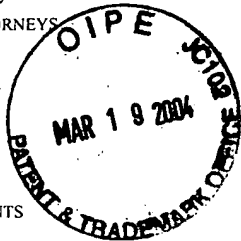
Dated: March 17, 2004

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Patent Trademark & Copyright Law

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March 4, 2004

Confirmation Copy
3626 \$
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TECHNICAL CONSULTANTS

♦ Admitted in Wisconsin

Via Facsimile: (703) 872-9306

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RE: U.S. Patent Application Serial No.: 10/040,061
Title: A SPIN-VALVE SENSOR WITH PINNING
LAYERS COMPRISING MULTIPLE
ANTIFERROMAGNETIC FILMS
Filed: January 4, 2002
Inventor: Tsann Lin
Your Ref.: SJO920000145US1
Our Ref.: 1200.2.25

Dear Sir:

Attached is a Petition for an Extension of Time for the above referenced patent application. A Notice of Appeal has been sent separately for this application, by first class mail. Please accept this Petition for an Extension of Time.

Respectfully submitted,


Brian C. Kunzler

Reg. No. 38,527

Attorney for Applicants

Date: March 17, 2004

8 East Broadway, Suite 600
Salt Lake City, UT 84111
Telephone (801) 994-4646
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Please type a plus sign (+) inside this box → ☐

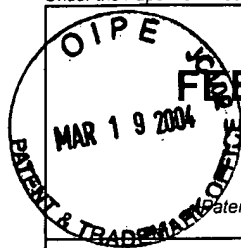
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PTO/SB/05 (12/97)

Approved for use through 9/30/03. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL

Note: Effective October 1, 2001.

Patent fees are subject to annual revision.

Complete If Known

Application Number	10/040,061
Filing Date	January 4, 2002
First Named Inventor	Tsann Lin
Group Art Unit	3626
Examiner Name	Vivek Koppikar
Attorney Docket Number	SJO920000145US1
TOTAL AMOUNT OF PAYMENT	\$ 420

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 09-0466Deposit Account Name: IBM CORPORATION

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

\$ 0

2. CLAIMS

Total Claims	Extra	Fee from below	Fee Paid
20	x	18	
Ind. Claims	x	86	
Multiple Dep. Claims	x	290	0

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim

SUBTOTAL (2)

\$ 0

3. ADDITIONAL FEES

Large Entity

Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	2053	130	Non-English specification	
1812	2520	1812	2520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	420
1253	950	2253	475	Extension for reply within third month	
1254	1480	2254	740	Extension for reply within fourth month	
1255	2010	2255	1005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1510	1451	1510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - intentional	
1453	1330	2453	665	Petition to revive - unintentional	
1501	1330	2501	665	Utility issue fee	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	1809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

*Reduced by Basic Filing Fee

SUBTOTAL (3)

\$ 420

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Brian C. Kunzler	Reg. Number	38,527
Signature		Deposit Account User ID	
Date	Mar 17, 2004		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Mail Stop Assignments, P.O. Box 1450, Alexandria, VA 22313-1450.